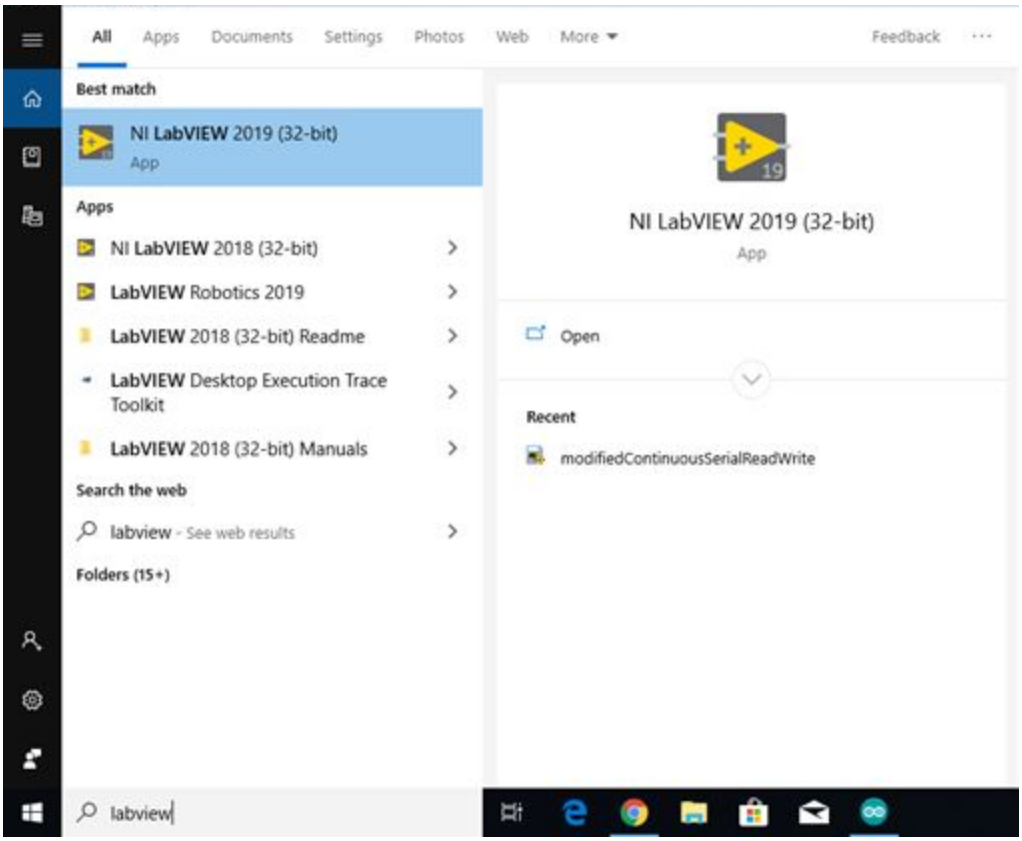
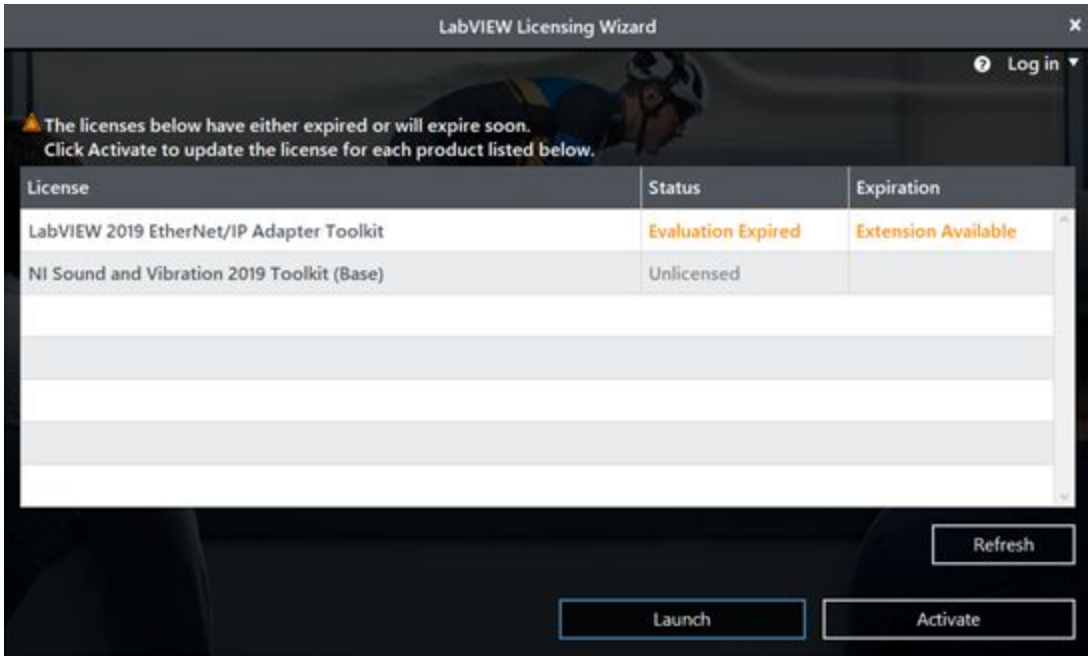
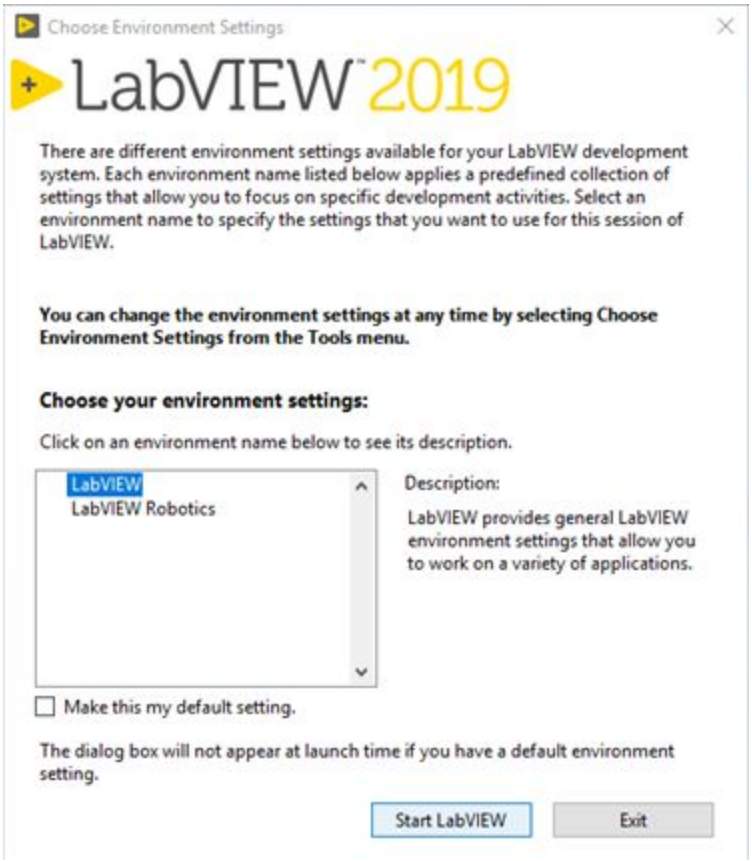
1. Type “labview” into the windows search bar in the bottom left corner of the screen as shown below.



2. Select the button that says “Launch” in the first window that pops up as shown below.

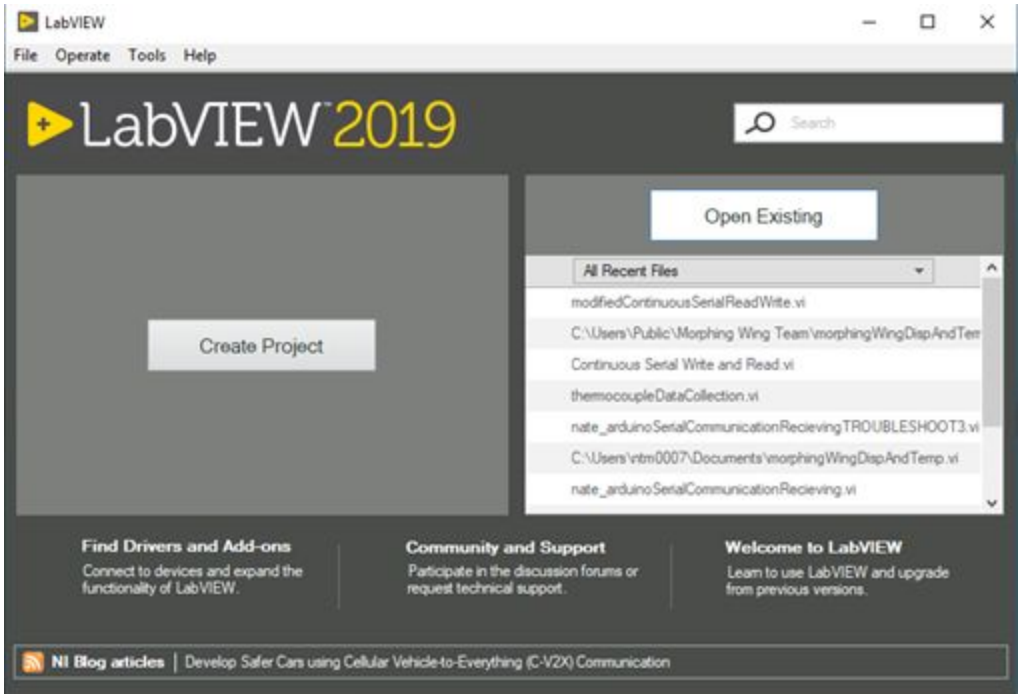


3. Select the button that says “LabVIEW” as shown below. This starts the LabVIEW application.

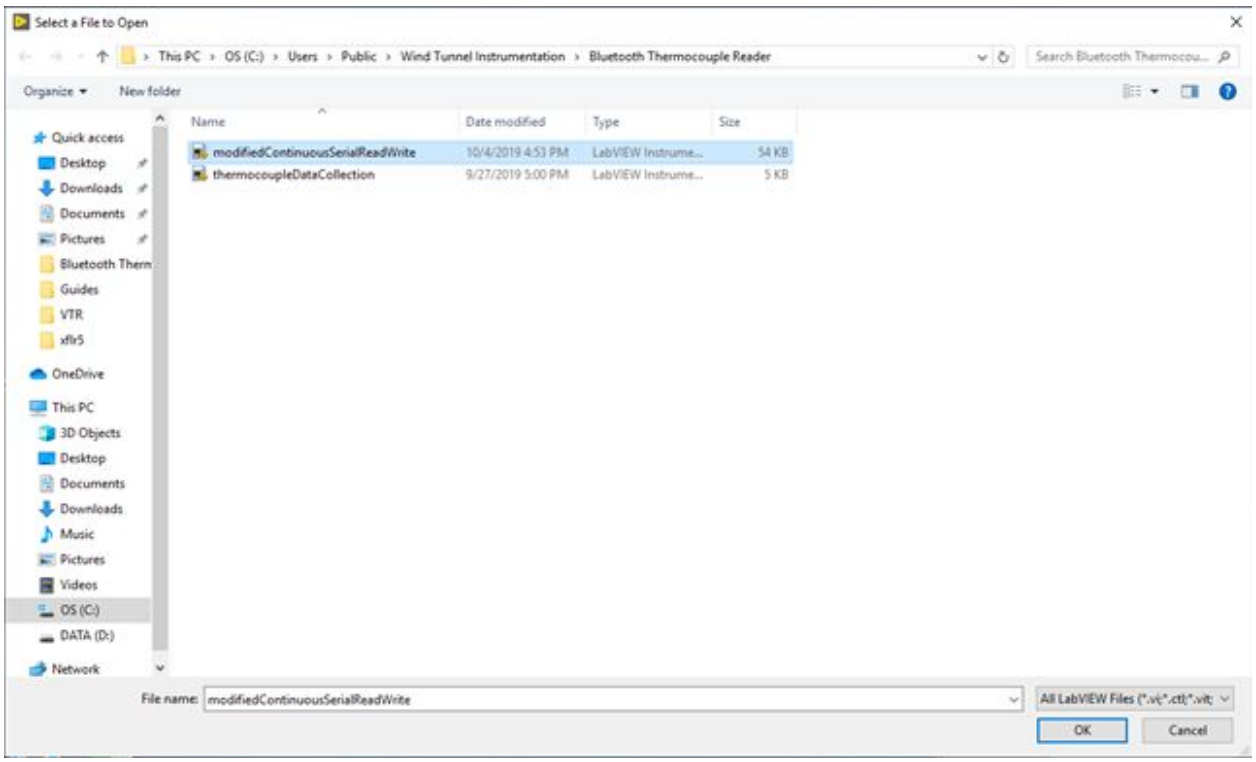


4. Close the window shown below if it pops up, otherwise, skip this step.

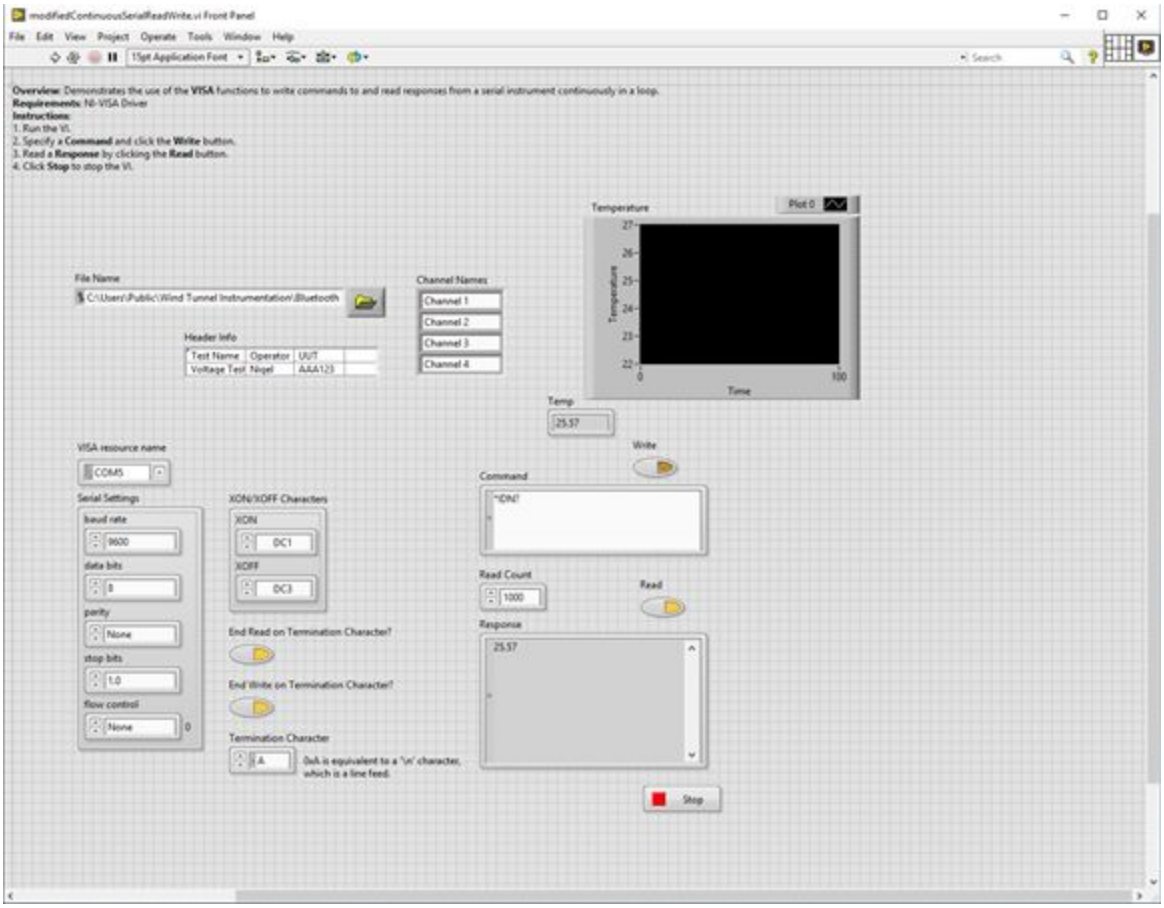
5. Congratulations! You have opened the LabVIEW application. Click the button labeled “Open Existing”.



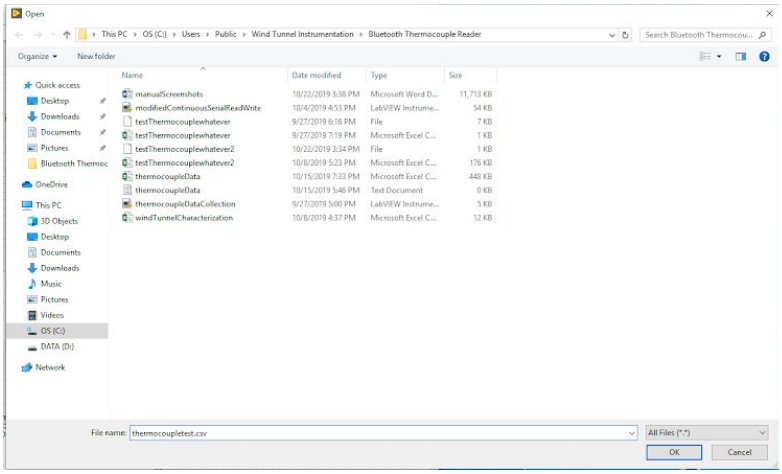
6. Make sure you select the file that is highlighted below named “modifiedContinuousSerialReadWrite.vi”. The file path is “C:\Users\Public\Wind Tunnel Instrumentation\Bluetooth Thermocouple Reader\modifiedContinuousSerialReadWrite\”



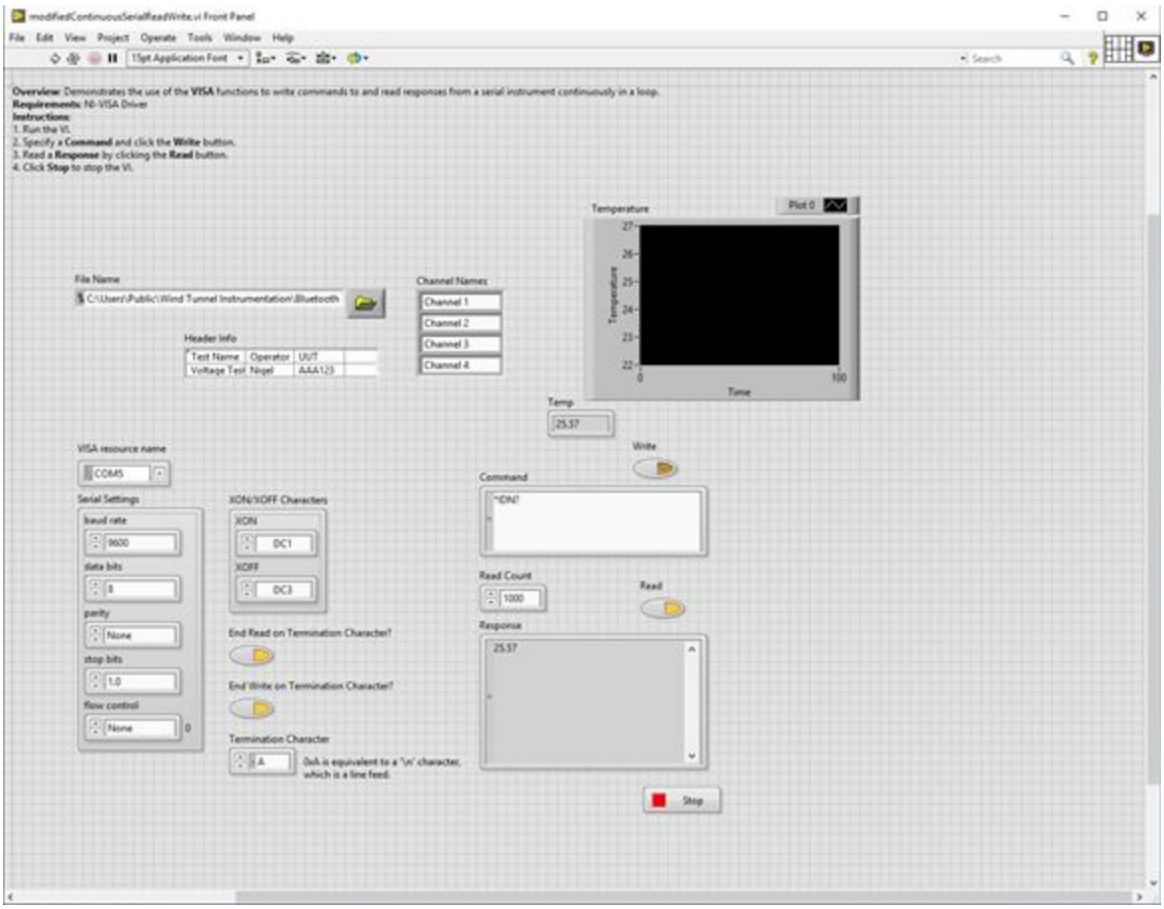
7. Click the button with a yellow folder on it, to the left of the “Channel Names” and directly to the right of the “File Name” to select the file you want to output your data to.



8. Type in the name of the .csv file you want to output data to. The one here is “thermocoupletest.csv”.



9. The LabVIEW file for the serial monitor has been opened. Clicking the white arrow in the top left of the screen will open the port and connect to the temperature sensor through bluetooth. It will start spitting out data as soon as you connect so be ready. Click the red stop sign button to stop transmitting at any time.



10. It at any point the arduino will not connect to the computer, unplug the power to the arduino and replug it back in. The port thinks it is connected, however, it is not so you have to hard reset the arduino itself.